

DE-INKING SCREEN

ABSTRACT

5 Multiple shafts are aligned along a frame and configured to rotate in a direction causing paper products to move along a separation screen. The shafts are configured with a shape and spacing so that substantially rigid pieces of the paper products move along the screen while non-rigid pieces of the paper products slide down between adjacent shafts. In one embodiment, the screen includes at least one vacuum shaft that has a first set of air input
10 holes configured to suck air and retain the non-rigid paper products. A second set of air output holes are configured to blow out air to dislodge the paper products retained by the input holes.